



ARRI TECHNICAL NOTE P - 1025

Wireless LCC August 1, 2000

Summary

This note describes 2 ways of wirelessly controlling the new generation ARRI cameras with the Laptop Camera Controller (LCC).

General Notes

The 2 products described in this note are spread spectrum wireless transceivers that can transmit an RS-232 signal, like the one used by the LCC, to control the new generation of ARRI cameras. We have looked at both products and actually used them, and they both allow basic wireless control of the cameras. We have done NO in-depth studies of how well they work, how far their reach is and what other limitations may apply, so use them at your own risk.

Disclaimer #1

The wireless products described in this note are NOT ARRI products. ARRI neither sells nor services these products. The information in this note is provided solely as a service to our customers to point out interesting third party products. ARRI makes no claims as to the functioning or performance of these products.

Disclaimer #2

Three features of the LCC should not be used with these wireless products: External Ramps, Go To Frame and Run at 1 fps. These features depend on continuous real-time control of the camera by the LCC. Since neither of the described wireless products can monitor how well such a continuous data flow is maintained, any break in the real-time control could result in problems that would not be visible until dailies are viewed.

Here some more notes on this subject:

- All other LCC features are not dependent on critical timing of the data flow, and can thus be used safely.
- Internal Ramps can also be used safely, since the camera is responsible for the execution of an Internal Ramp, and the LCC only sends the trigger signal. See ARRI Technical Note P-1004 for more information.
- Run at 1 fps should not be used on the 535, 535B and 16SR 3, but it is OK to run the 435 at 1 fps.

FreeWave Technologies

FreeWave Technologies makes the DGR-115H. Contact the Sales Manager, Steve Wulchin. You will need 2 DGRs, one on the camera and one on the LCC.

You will have to inform Steve to set the DGRs up to ARRI transmission specifications. These specs are 9600 baud, 8 data bits, even parity, 1 stop bit. They have done this before, and should know what to do.

You will also need to make a set of cables. Contact Marc Shipman-Mueller at Arriflex Corporation for the pin-out information. Telephone: 773 252 8003, Email: msmueller@arri.com.

FreeWave Technologies

Steve Wulchin – Sales Manager

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Aironet/MTI

Aironet makes the Universal Client Wireless Adapter. We have received our test units from a systems integrator in Chicago called Mobile Technologies International (MTI). We used the model UC2000-S. You will need 2 Universal Clients, one on the camera and one on the LCC.

You will have to inform them to set the Universal Clients up to ARRI transmission specifications. These specs are 9600 baud, 8 data bits, even parity, 1 stop bit. Chuck Bolvin has done this before, and should know what to do.

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